

New Telecommunications Building - CCSN – North Las Vegas, NV.

Description of Project

80,000 +/- s.f., 2-story classroom office building located at the Community College of Southern Nevada in Las Vegas, NV. Building includes numerous computer classrooms and computer commons area. Specifications Consulting and LEED™ Accredited Professional to JMA Architecture Studios, Las Vegas, NV. Construction completed in 2004.



Obstacles Overcome:

Project was 1st CM@R project for a public entity in the State of Nevada and also was the 1st LEED certified building in the State of Nevada.

TV production studio and editing facilities are included.

Benefits Provided:

The contractor installed raceways and cable-tray capabilities during the construction process that would all installation of devices and hubs by the Community College to fit current curriculum, while providing teaching opportunities for telecommunications students. The unique wiring system comes into play on the top and bottom floors. The intent is to allow faculty and staff to cart expensive equipment in and out of the central spine and to go from room to room. All the surrounding classrooms have direct access to the spine, but because of the expensive equipment housed there, only faculty can enter the area, and there are security cameras to protect the equipment.

Skylight domes in classrooms, controlled by switches are part of the energy conservation system. The building is designed with a commissioning process in place to assure systems function as they're supposed to. The building is designed with as much energy recovery in mechanical systems as possible to reduce energy consumption in the building. The architecture and mechanical systems received extensive energy modeling of the skin of the building, the envelope, windows versus non-window areas, how that affects mechanical systems, and how heating and air conditioning requirements can be reduced by introducing daylight.

Architect: JMA Architecture Studios, Las Vegas, NV

LEED CERTIFICATION ACHIEVED: .LEED-NC v2.1 Certified July 10, 2006